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Global EVA Film for Solar Cell Encapsulation Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global EVA Film for Solar Cell Encapsulation market size is expected to reach $ 5308 million by 2032, rising at a market growth of 6.1% CAGR during the forecast period (2026-2032).

EVA Film for Solar Cell Encapsulation is an encapsulation film made mainly from ethylene-vinyl acetate copolymer and used in solar PV modules between the front glass, solar cells, and backsheet or rear glass. During lamination, it bonds and protects the cells, providing optical transparency, adhesion, cushioning, electrical insulation, moisture resistance, and weather durability, thereby helping maintain the power output and long-term reliability of photovoltaic modules in outdoor environments. The price of EVA Film for Solar Cell Encapsulation remains relatively low, with transparent EVA film at around RMB 7.23/m? and white EVA film at around RMB 7.73/m?, roughly equivalent to about US$1/m?; annual global EVA film output/sales can be estimated at roughly 3.3–3.6 billion m?, with Chinese suppliers remaining the dominant producers.

The upstream of the EVA Film for Solar Cell Encapsulation industry mainly includes EVA resin, crosslinking agents, antioxidants, UV absorbers, tackifying resins, additive masterbatches, release films, and packaging materials, among which EVA resin is the key raw material affecting cost, transparency, crosslinking performance, and aging resistance. The midstream consists of photovoltaic encapsulation film manufacturers, which convert raw materials into transparent EVA film, white EVA film, anti-PID film, high-transparency film, and other products through formulation design, melt extrusion, casting, online inspection, winding, and slitting. The downstream market is mainly photovoltaic module manufacturers, where EVA film is used for encapsulating crystalline silicon modules, glass-backsheet modules, glass-glass modules, and some high-efficiency cell modules, with demand closely linked to global PV installations,

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module output, cell technology trends, and long-term reliability requirements.

The market for EVA Film for Solar Cell Encapsulation remains a fundamental and mainstream segment within PV encapsulation materials, with demand closely linked to solar module production and module structure upgrades. As N-type cells, glass-glass modules, and high-reliability modules continue to expand, competition is shifting from basic capacity and cost control toward integrated encapsulation performance, including high light transmittance, PID resistance, damp-heat durability, low degradation, and compatibility with POE and EPE structures; at the same time, under module price pressure and supply-chain cost reduction, EVA film suppliers need to rely on formulation optimization, production efficiency, and customer qualification capability to sustain competitiveness. InfoLink has also noted that encapsulation structures for TOPCon glass-glass modules are evolving toward more cost-efficient combinations, supporting a renewed increase in EVA usage.

This report studies the global EVA Film for Solar Cell Encapsulation production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for EVA Film for Solar Cell Encapsulation and provides market size (US$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of EVA Film for Solar Cell Encapsulation that contribute to its increasing demand across many markets.

Highlights and key features of the study
Global EVA Film for Solar Cell Encapsulation total production and demand, 2021-2032, (K Sqm)
Global EVA Film for Solar Cell Encapsulation total production value, 2021-2032, (USD Million)
Global EVA Film for Solar Cell Encapsulation production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Sqm), (based on production site)
Global EVA Film for Solar Cell Encapsulation consumption by region & country, CAGR, 2021-2032 & (K Sqm)
U.S. VS China: EVA Film for Solar Cell Encapsulation domestic production, consumption, key domestic manufacturers and share
Global EVA Film for Solar Cell Encapsulation production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Sqm)
Global EVA Film for Solar Cell Encapsulation production by Type, production, value,

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CAGR, 2021-2032, (USD Million) & (K Sqm)
Global EVA Film for Solar Cell Encapsulation production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Sqm)

This report profiles key players in the global EVA Film for Solar Cell Encapsulation market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Hangzhou First Applied Material, Jiangsu Sveck New Material, Changzhou Betterial Film Technologies, Zhejiang Sinopont Technology, Shanghai HIUV New Material, Cybrid Technologies, Guangzhou Lushan New Materials, SKC, Hanwha Advanced Materials, RenewSys, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World EVA Film for Solar Cell Encapsulation market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (K Sqm) and average price (US$/Sq m) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global EVA Film for Solar Cell Encapsulation Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

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India

Rest of World

Global EVA Film for Solar Cell Encapsulation Market, Segmentation by Type:

Transparent EVA Encapsulant Film

White EVA Encapsulant Film

Others

Global EVA Film for Solar Cell Encapsulation Market, Segmentation by Curing Speed:

Standard Cure EVA Film

Fast Cure EVA Film

Ultra-fast Cure EVA Film

Global EVA Film for Solar Cell Encapsulation Market, Segmentation by Film Structure:

Single-layer EVA Film

Multi-layer Co-extruded EVA Film

EVA-based Composite Functional Film

Global EVA Film for Solar Cell Encapsulation Market, Segmentation by Application:

Glass-backsheet Modules

Glass-glass Modules

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Thin-film Modules

Companies Profiled:

Hangzhou First Applied Material

Jiangsu Sveck New Material

Changzhou Betterial Film Technologies

Zhejiang Sinopont Technology

Shanghai HIUV New Material

Cybrid Technologies

Guangzhou Lushan New Materials

SKC

Hanwha Advanced Materials

RenewSys

Vishakha Renewables

TPI All Seasons

H.B. Fuller

3M

Tianyang New Materials (Shanghai) Technology

Crown Advanced Material

Zhejiang Feiyu New Energy

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Lucent CleanEnergy

Zhejiang Dilong Optoelectronic Material

Saudi Specialized Products

Mitsui Chemicals Tohcello

Jagannath Polymers

Key Questions Answered:
1. How big is the global EVA Film for Solar Cell Encapsulation market?
2. What is the demand of the global EVA Film for Solar Cell Encapsulation market?
3. What is the year over year growth of the global EVA Film for Solar Cell Encapsulation market?
4. What is the production and production value of the global EVA Film for Solar Cell Encapsulation market?
5. Who are the key producers in the global EVA Film for Solar Cell Encapsulation market?
6. What are the growth factors driving the market demand?

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Contents

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3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

4 UNITED STATES VS CHINA VS REST OF THE WORLD

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5 MARKET ANALYSIS BY TYPE

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6 MARKET ANALYSIS BY CURING SPEED

7 MARKET ANALYSIS BY FILM STRUCTURE

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10 INDUSTRY CHAIN ANALYSIS

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11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

12.1 Methodology
12.2 Research Process and Data Source
12.3 Disclaimer

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List Of Tables

LIST OF TABLES

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List Of Figures

LIST OF FIGURES

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